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OC-M-73-522

12 SEP 1973

MEMORANDUM FOR: Director of Logistics

SUBJECT : Comments on the Study on Utilities Support
of Environmentally Sensitive Equipment
in the Headquarters Building

1. The Office of Communications agrees with the general concept of consolidation of Environmentally Sensitive Equipment (ESE). However, rather than converting prime office space on the first floor of Headquarters, a specially designed, leased building in an area within range of the Headquarters microwave system such as [] should be given consideration. 25X1
A cursory study indicates that a reliable, secure, wideband communications link, using microwave and leased lines, is feasible and will permit the installation of I/O terminals in Headquarters with the computers remotely located. If you agree that this is an attractive alternative, we are willing to participate in a more detailed study of this approach.

2. If the area for consolidation of ESE is the first floor of Headquarters, there is one project, Cable Dissemination System (CDS), which will impact the proposed relocation plan and it, in turn, will affect the proposed relocation of DATACOM. We have been tasked by the DCI to develop a system which will consolidate and automate the various cable dissemination functions of the Agency. The requirements for CDS have been developed and we anticipate that a contract will be let by January 1974. An estimate of the floor space required indicates that the entire Cable Secretariat area plus some space in the Signal Center will be needed for CDS. The power and air conditioning required cannot be estimated accurately at present, but we do know that there is not sufficient reserve in the Signal Center supply to handle the expanded requirement.

3. As a result of the implementation of CDS, the recommendation that DATACOM be incorporated into the Signal Center/Cable Secretariat area will have to be modified. A program is presently underway to replace the DATACOM facility and to increase its throughput capacity. If its replacement is re-located to the first floor, it would require 2,400 square feet

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of space, 27 kilowatts of power and eight tons of air conditioning, four of which are chilled water. This Data Transmission Exchange (DATEX) System is scheduled to be operational in August 1974, and present planning calls for installation in DATACOM's sixth-floor location. If DATEX is to be installed on the first floor, space will have to be ready for installation of the system by May 1974. Otherwise, DATEX will be located on the sixth floor.

4. It is recommended that separation of red and black wiring be included in design considerations. All wiring for

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Staff, Office of Communications, is available to provide guidance on separation requirements.

5. This office has the responsibility to install and maintain communications equipment located in the ESE areas of the Office of Weapons Intelligence and the Office of ELINT on the first floor of Headquarters, and we wish to point out that plans presently exist to move these facilities to the Operations Center in the near future. We assume that you are aware of these plans, but wanted to mention them to ensure that two moves of this equipment would not occur.

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Director of Communications

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